# Jupiter/Carlin Renourishment Project

**A Palm Beach County Shore Protection Project** 

## **Project Location**

 Northern Palm Beach County, south of the Jupiter Inlet, extending to the southern boundary of Carlin Park. (1.08 miles)

#### The Problem

- Storm events and the project area's downdrift proximity to the Jupiter Inlet have resulted in chronic erosion which extends from the inlet south along the shoreline.
- Beach erosion threatens park lands & buildings and has caused loss of important beach & dune habitat and recreation area.

#### **Solutions**

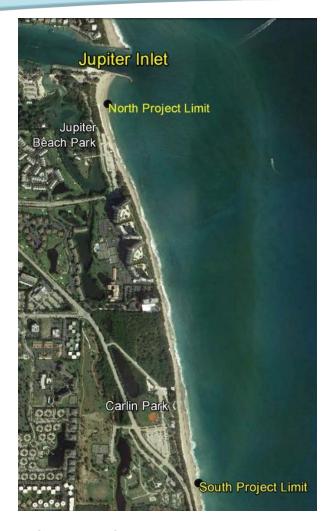
 Ongoing efforts to stabilize the shoreline include large scale beach nourishment, dune restoration by PBC, and ICW maintenance & inlet bypass dredging by the Florida Inland Navigational District (FIND) and the Jupiter Inlet District (JID).

#### **Benefits**

 A stabilized beach and dune will provide storm protection, recreational opportunities, and sea turtle nesting habitat.

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Subtropical Storm Andrea caused the collapse of a maintenance building along Jupiter Beach Park (May 2007).



Heavy equipment moved dredged sand during County's 2002 renourishment.

### **Project Overview**

- The project area includes both Jupiter Beach and Carlin parks and has received sand from two large-scale County beach nourishment projects (1995 & 2002) and multiple sand trap (JID) & Intracoastal Waterway (FIND) dredging events.
- In 2008 & 2012, two large-scale dune restoration projects were completed.
- The US Army Corps of Engineers effort to secure Federal funding for future projects is ongoing.
- · All permits for the project have been issued.
- Construction is scheduled to begin in Fall 2014.

- · FAQ:
  - How much will the project cost? Early estimates put total project costs around \$12 million dollars.
  - How much sand is needed? Approximately 820,000 cubic yards of sand
  - Where is the sand coming from?
    A borrow area located offshore
  - How will the County construct the project?

A dredge will excavate and pump the sand to the beach where it will be spread with heavy equipment to the desired profile.

# **Project Partners**

Palm Beach County, Florida Department of Environmental Protection, US Army Corps of Engineers



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